



COMPLETION OF WORK REPORT

**EVERGREEN MANOR SITE
ROSCOE TOWNSHIP, WINNEBAGO COUNTY, ILLINOIS**

APRIL 2013

REF. NO. 034891 (11)

This report is printed on recycled paper.

**Prepared by:
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1.0 INTRODUCTION AND BACKGROUND

This "Completion of Work Report" (COWR) has been prepared by Conestoga-Rovers & Associates (CRA) on behalf of the Settling Defendants for the Evergreen Manor Site (Site) located in Roscoe Township, Winnebago County, Illinois. This report documents the completion of all final field activities at the Site and has been prepared in accordance with Section XIV – 'Certification of Completion' of the "Consent Decree for Remedial Action and Cost Recovery" (Consent Decree), which became effective on February 26, 2009. Specifically, Paragraph 52 - 'Completion of the Work' in Section XIV of the Consent Decree specifies the requirements for documenting "that all phases of the Work (including O&M) have been fully performed".

In May 2012, CRA, on behalf of the Settling Defendants, submitted the "Remedial Action Completion and Certification Report" (RACCR) to the United States Environmental Protection Agency (U.S. EPA), which documented the completion of the remedial action. The U.S. EPA subsequently approved the RACCR in a letter dated June 27, 2012.

1.1 BACKGROUND

The Site is located in unincorporated Roscoe Township in Winnebago County, Illinois, just north of Roscoe, Illinois (Figure 1.1). Roscoe is located in north-central Illinois, about 10 miles north of Rockford, Illinois. The CERCLIS identification number for the Site is ILD984836734. The Site has historically extended from an industrial area near Route 251 and Rockton Road about two miles southwest through the Hononegah Heights, Tresemer, Old Farm, and Evergreen Manor subdivisions.

A "Record of Decision" (ROD) was promulgated for the Site by the U.S. EPA in September 2003. Following the U.S. EPA's final execution of the ROD, an "Administrative Order on Consent" (AOC) between the U.S. EPA and two Respondents became effective on October 7, 2004. A "Remedial Design Work Plan" (RD Work Plan) was prepared in accordance with the "Statement of Work" (SOW) presented as Attachment II to the AOC. The RD Work Plan was approved by the U.S. EPA in a letter dated June 7, 2005. The RD Work Plan was successfully implemented and CRA prepared the "Remedial Design Report" (RD Report) in February 2006, which was subsequently approved by the U.S. EPA in a letter dated May 24, 2006.

The Site had previously been characterized as a groundwater contamination Site due to the presence of certain volatile organic compounds (VOCs) at concentrations that exceeded the U.S. EPA's maximum contaminant levels (MCLs). However, the results

presented in the RD Report established that a discernable groundwater contaminant plume no longer existed. All of the groundwater constituents observed historically had already attenuated naturally to below drinking water standards (MCLs), and the data confirmed the temporal trend observed previously of declining VOC concentrations.

It was determined that the character of the groundwater aquifer was conducive to the natural degradation of chlorinated solvents in situ. Therefore, Monitored Natural Attenuation (MNA) was the selected remedy. In accordance with Item II, Section 3 and Item III, Section 2c of the SOW appended to the AOC, CRA prepared a "Remedial Action Work Plan (Long Term Groundwater Monitoring Plan)" (RAWP) for the Site in August 2007.

In May 2008 the Consent Decree was executed by all parties, and it subsequently became effective on February 26, 2009. As part of the Consent Decree, the Settling Defendants agreed to implement the August 2007 RAWP. The RAWP was incorporated as Appendix B to the Consent Decree.

1.2 REMEDIAL ACTION - GROUNDWATER MONITORING PROGRAM

Sections 3.0 and 4.0 of the RAWP detailed the groundwater monitoring program that was to be implemented in order to confirm that the remedial action (RA) objectives had been achieved. In accordance with the RAWP, CRA conducted four quarterly sampling events during the 2009-2010 reporting period, and then two additional annual sampling events, in the Fall of 2010 and the Fall of 2011, in order to complete three consecutive years of monitoring. During the groundwater monitoring events, the collected groundwater samples were analyzed for the U.S. EPA Target Compound List (TCL) of VOCs as set forth in Table 2.2 of the Site's "Quality Assurance Project Plan" (QAPP). Figure 1.2 presents the locations of the five monitoring wells that were sampled during the groundwater monitoring program.

1.3 COMPLETION OF THE REMEDIAL ACTION

The groundwater data collected during the groundwater monitoring program demonstrated that the remedial action had been completed in accordance with the Consent Decree and that the remedy was protective of human health and the environment. Therefore, on February 2, 2012, representatives of the U.S. EPA, CRA, and the Settling Defendants attended a meeting at the U.S. EPA offices in Chicago, during

which an agreement was reached for the process of formally closing the project, "de-proposing" the Site, and abandoning the remaining monitoring wells.

Following the February 2, 2012 meeting, in accordance with Paragraph 51 - 'Completion of the Remedial Action' in Section XIV of the Consent Decree, CRA prepared the RACCR to document the completion of the remedial action. The RACCR was submitted to the U.S. EPA in May 2012 and was subsequently approved by the U.S. EPA in a letter dated June 27, 2012.

2.0 SITE CLOSURE ACTIVITIES SINCE JUNE 2012

Subsequent to the U.S. EPA approval of the RACCR in its June 27, 2012 letter, the following activities were completed in an effort to complete final closure of the project:

- On September 18, 2012, the U.S. EPA formally issued a proposal to de-list the Site from the National Priorities List (NPL) (see National Priorities List, Proposed Rule No. 57, Federal Register/Volume 77, Number 181/Tuesday, September 18, 2012).
- On February 27, 2013 representatives of the U.S. EPA, CRA, and the Settling Defendants attended a meeting at the U.S. EPA offices in Chicago, during which an agreement was reached for the process of formally closing the project, including abandoning the remaining monitoring wells and preparing this "Completion of Work Report".
- On February 27, 2013 CRA submitted to the U.S. EPA a work plan to abandon and seal the five monitoring wells that remained at the Site.
- In an email message to CRA dated February 28, 2013 the U.S. EPA approved the work plan to abandon and seal the five remaining monitoring wells.
- On March 25, 2013 the five monitoring wells were properly abandoned and sealed in accordance with the February 27, 2013 approved work plan.

2.1 MONITORING WELL ABANDONMENT AND SEALING

On March 25, 2013 Earth Solutions of St. Charles, Illinois, under the oversight of CRA, sealed the five monitoring wells that remained at the Site: MW-01A, MW-03, MW-103S, MW-105S, and MW-106D. The locations of the monitoring wells are presented on Figure 1.2. Sealing of the five monitoring wells was performed in accordance with Section 920.120 of the Illinois Water Well Construction Code (Title 77 of the Illinois Administrative Code, Part 920), using the following procedures:

- the protective steel outer casing or flush-mount roadbox was removed;
- the inner monitoring well casing was removed to a minimum depth of 2-feet below the ground surface;
- the monitoring well was sealed using bentonite grout installed from the bottom of the well up to 2-feet below the ground surface using a tremie pipe; and
- the remaining 2-feet up to the ground surface was backfilled with soil.

Prior to conducting the work, CRA contacted the U.S. EPA and then on March 21, 2013 contacted the Winnebago County Health Department (WCHD) to inform them of the upcoming monitoring well sealing activities.

Completed water well sealing forms for the five monitoring wells are provided in Appendix A. The completed water well sealing forms were also submitted to the WCHD attached to a cover letter dated April 17, 2013.

With the sealing of the last five monitoring wells, all of the activities at the Site have been completed in full satisfaction of the requirements of the Consent Decree.

3.0 CERTIFICATION

To the best of my knowledge, after thorough investigation, I certify that the information contained in or accompanying this submission is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Project Coordinator: Bruce C. Clegg
Conestoga-Rovers & Associates, Inc.

Signature: _____

Date: _____

4.0 CONTACTS

Project Coordinator / Settling Defendants' Contact

Mr. Bruce Clegg
Conestoga-Rovers & Associates
8615 W. Bryn Mawr Avenue
Chicago, Illinois 60631
Telephone: (773) 380-9933
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Email: bclegg@craworld.com

U.S. EPA Project Manager

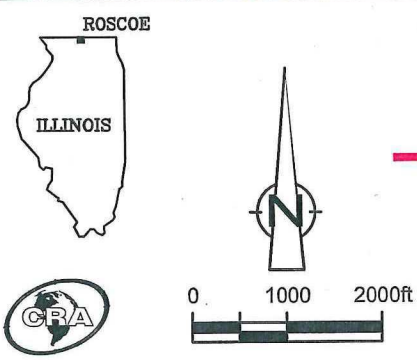
Mr. William J. Ryan
U.S. EPA, Region 5 (SR-5J)
77 West Jackson Blvd.
Chicago, Illinois 60404-3590
Telephone: (312) 353-4374
Facsimile: (312) 886-7191
Email: ryan.williamj@epa.gov

Illinois EPA Project Manager

Ms. Erin Rednour
Illinois Environmental Protection Agency
Bureau of Land
FSRS#24
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9276
Telephone: (217) 785-8725
Email: Erin.Rednour@illinois.gov

Winnebago County Contact

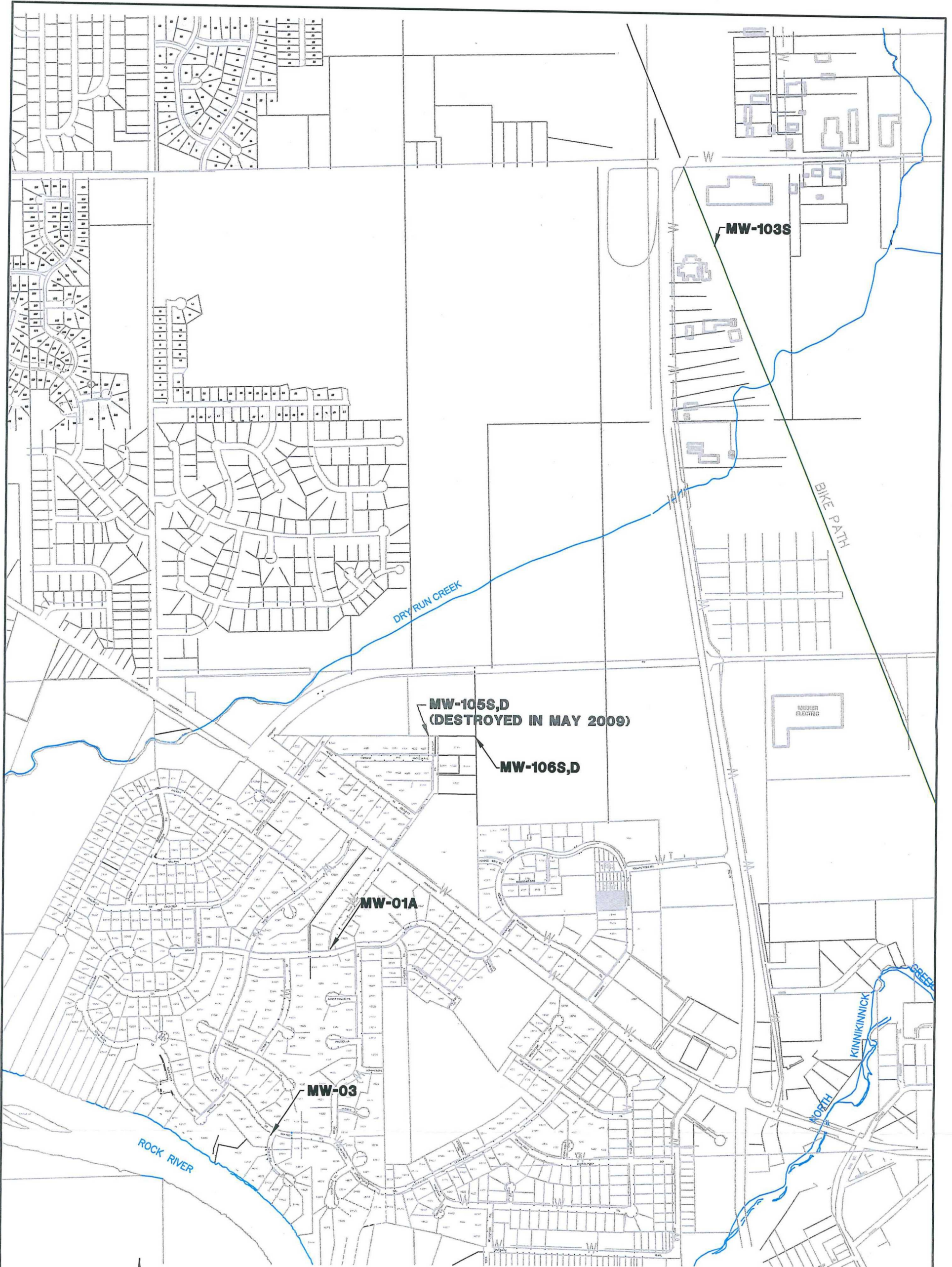
Winnebago County Health Department
Environmental Services
P.O. Box 4009
401 Division Street
Rockford, Illinois 61110
Telephone: (815) 720-4000



LEGEND:
GENERAL SITE BOUNDARY, AS IDENTIFIED BY
WESTON IN THE GDER, JULY 2003

figure 1.1

SITE LOCATION
EVERGREEN MANOR SITE
Roscoe, Illinois

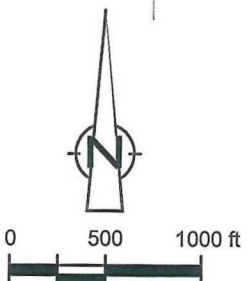


NOTE:

MONITORING WELLS MW-106S AND MW-106D
HAVE REPLACED WELLS MW-105S AND MW-105D
IN THE GROUNDWATER MONITORING PROGRAM.

figure 1.2

**MONITORING WELL LOCATIONS
GROUNDWATER MONITORING PROGRAM
EVERGREEN MANOR SITE
Roscoe Township, Illinois**



APPENDIX A

COMPLETED MONITORING WELL SEALING FORMS



WATER WELL SEALING FORM

PDF FILLABLE/SAVABLE

RETURN ALL COPIES TO IDPH OR
LOCAL HEALTH DEPARTMENT

This form shall be submitted to this Department or the local health department not more than 30 days after a water well, boring or monitoring well is sealed. Such wells are to be sealed not more than 30 days after they are abandoned in accordance with the sealing requirements in the Illinois Water Well Construction Code. THE LOCAL HEALTH DEPARTMENT OR REGIONAL PUBLIC HEALTH DEPARTMENT MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO SEALING.

1. Ownership (Name of Controlling Party)		Evergreen Manor Site	
2. Well Location: Well Site Address		Monitoring Well MW-01A	City Roscoe Township Zip
Lot #	Land I.D.#	County Winnebago	Township T46N
Range R2E	Section 29	Quarter of the NW	Quarter of the NE
			Quarter SW
GPS: North Degrees 42 Minutes 26 Seconds 1.3		West Degrees 89 Minutes 1 Seconds 56.8	
Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.1) N. Report GPS coordinates to the nearest 0.1 second.			
3. Year Drilled	2002	4. Drilling Permit Number (and date, if known)	
5. Type of Well	Monitoring	6. Total Depth (ft.)	60
		Diameter (in.)	2
7. Formation clear of obstruction	Yes		
8. Details of Plugging (bentonite, neat cement or other materials)			
Filled with	Top Soil	From (ft.)	0 to (ft.) 2
Kind of plug	Bentonite Grout	From (ft.)	2 to (ft.) 60
Filled with		From (ft.)	to (ft.)
Kind of plug		From (ft.)	to (ft.)
Filled with		From (ft.)	to (ft.)
Kind of plug		From (ft.)	to (ft.)
9. CASING RECORD Upper 2 feet of casing removed	Yes	10. Date well was sealed	Mar 25, 2013
11. Licensed water well driller or other person approved by the Department performing well sealing			
Name	Earth Solutions Inc.	Complete License Number	
Address	40W205 Deer Run Drive	City St. Charles	State Illinois Zip Code 60175

This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act-0863. Disclosure of this information is mandatory. This form has been approved by the Forms Management Center. IL 482-0631

Questions regarding the completion of this form should be directed to the local health department or the Illinois Department of Public Health 217-782-5830, TTY (for hearing impaired only) 800-547-0466.

Print Form

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
525 W. JEFFERSON ST.
SPRINGFIELD, IL 62761



WATER WELL SEALING FORM

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1. Ownership (Name of Controlling Party)		Evergreen Manor Site	
2. Well Location: Well Site Address		Monitoring Well MW-03	City Roscoe Township Zip
Lot #	Land I.D.#	County Winnebago	Township T46N
Range R2E	Section 29	Quarter of the SE	Quarter of the SW
GPS: North Degrees 42 Minutes 25 Seconds 41.9		West Degrees 89 Minutes 2 Seconds 5.4	
Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.1) N. Report GPS coordinates to the nearest 0.1 second.			
3. Year Drilled	2002	4. Drilling Permit Number (and date, if known)	
5. Type of Well	Monitoring	6. Total Depth (ft.)	75
		Diameter (in.)	2
7. Formation clear of obstruction	Yes		
8. Details of Plugging (bentonite, neat cement or other materials)			
Filled with	Top Soil	From (ft.)	0 to (ft.) 2
Kind of plug	Bentonite Grout	From (ft.)	2 to (ft.) 75
Filled with		From (ft.)	to (ft.)
Kind of plug		From (ft.)	to (ft.)
Filled with		From (ft.)	to (ft.)
Kind of plug		From (ft.)	to (ft.)
9. CASING RECORD Upper 2 feet of casing removed	Yes	10. Date well was sealed	Mar 25, 2013
11. Licensed water well driller or other person approved by the Department performing well sealing			
Name	Earth Solutions Inc.	Complete License Number	
Address	40W205 Deer Run Drive	City St. Charles	State Illinois Zip Code 60175

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1. Ownership (Name of Controlling Party)		Evergreen Manor Site	
2. Well Location: Well Site Address		Monitoring Well MW-103S	City Roscoe Township Zip
Lot #	Land I.D.#	County Winnebago	Township T46N
Range R2E	Section 21	Quarter of the NE	Quarter of the NW
GPS: North Degrees 42 Minutes 27 Seconds 15.1		West Degrees 89 Minutes 1 Seconds 2.3	
Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.1) N. Report GPS coordinates to the nearest 0.1 second.			
3. Year Drilled	4. Drilling Permit Number (and date, if known)		
5. Type of Well Monitoring	6. Total Depth (ft.) 42	Diameter (in.) 2	
7. Formation clear of obstruction Yes			
8. Detains of Plugging (bentonite, neat cement or other materials)			
Filled with Top Soil	From (ft.) 0	to (ft.) 2	
Kind of plug Bentonite Grout	From (ft.) 2	to (ft.) 42	
Filled with	From (ft.)	to (ft.)	
Kind of plug	From (ft.)	to (ft.)	
Filled with	From (ft.)	to (ft.)	
Kind of plug	From (ft.)	to (ft.)	
9. CASING RECORD Upper 2 feet of casing removed Yes		10. Date well was sealed Mar 25, 2013	
11. Licensed water well driller or other person approved by the Department performing well sealing			
Name Earth Solutions Inc.		Complete License Number	
Address 40W205 Deer Run Drive	City St. Charles	State Illinois	Zip Code 60175

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1. Ownership (Name of Controlling Party)

Evergreen Manor Site

2. Well Location: Well Site Address

Monitoring Well MW-106S

City Roscoe Township

Zip

Lot #

Land I.D.#

County

Winnebago

Township

T46N

Range

R2E

Section

29

Quarter of the

SW

Quarter of the

NW

Quarter

NE

GPS: North

Degrees

42

Minutes

26

Seconds

23.4

West

Degrees

89

Minutes

1

Seconds

36.5

Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.1) N. Report GPS coordinates to the nearest 0.1 second.

3. Year Drilled

4. Drilling Permit Number (and date, if known)

5. Type of Well

Monitoring

6. Total Depth (ft.)

65

Diameter (in.)

2

7. Formation clear of obstruction

Yes

8. Details of Plugging (bentonite, neat cement or other materials)

Filled with

Top Soil

From (ft.)

0

to (ft.)

2

Kind of plug

Bentonite Grout

From (ft.)

2

to (ft.)

65

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

Filled with

From (ft.)

to (ft.)

Kind of plug

From (ft.)

to (ft.)

9. CASING RECORD Upper 2 feet of casing removed

Yes

10. Date well was sealed

Mar 25, 2013

11. Licensed water well driller or other person approved by the Department performing well sealing

Name

Earth Solutions Inc.

Complete License Number

Address

40W205 Deer Run Drive

City

St. Charles

State

Illinois

Zip Code

60175

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1. Ownership (Name of Controlling Party)		Evergreen Manor Site	
2. Well Location: Well Site Address		Monitoring Well MW-106D	City Roscoe Township Zip
Lot #	Land I.D.#	County Winnebago	Township T46N
Range R2E	Section 29	Quarter of the SW	Quarter of the NW
			Quarter NE
GPS: North Degrees 42 Minutes 26 Seconds 23.4		West Degrees 89 Minutes 1 Seconds 36.5	
Report decimal minutes to minutes and seconds by multiplying the decimal part of the minutes by 60, e.g. latitude 38 degrees 46.07 minutes N would be latitude 38 degrees 46 minutes 4.2 seconds (0.07 x 60 = 4.2) N. Report GPS coordinates to the nearest 0.1 second.			
3. Year Drilled	4. Drilling Permit Number (and date, if known)		
5. Type of Well Monitoring	6. Total Depth (ft.) 100	Diameter (in.) 2	
7. Formation clear of obstruction	Yes		
8. Detains of Plugging (bentonite, neat cement or other materials)			
Filled with	Top Soil	From (ft.) 0	to (ft.) 2
Kind of plug	Bentonite Grout	From (ft.) 2	to (ft.) 100
Filled with		From (ft.)	to (ft.)
Kind of plug		From (ft.)	to (ft.)
Filled with		From (ft.)	to (ft.)
Kind of plug		From (ft.)	to (ft.)
9. CASING RECORD Upper 2 feet of casing removed		Yes	10. Date well was sealed Mar 25, 2013
11. Licensed water well driller or other person approved by the Department performing well sealing			
Name	Earth Solutions Inc.		Complete License Number
Address	40W205 Deer Run Drive	City St. Charles	State Illinois Zip Code 60175

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